



Express Mail No.: EV 419716915 US

IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE

In Re the Application of: Robert M. Porter, Anatoli V. Ledenev, and Gennady G. Garov
Serial Number: 10/030,379
Filed: January 2, 2002
Title: Multiple Element Rectification Circuit
TC/A.U.: 2838
Examiner: Adolf D. Berhane

Assignee: Advanced Energy Industries, Inc.
Attorney Docket: AEI VRM USNP1
Customer No. 33549

RECEIVED

JUN 16 2004

TECH CENTER 2800

CERTIFICATE OF EXPRESS MAILING

I, Michael Blackmore, hereby certify to the truth of the following items:

1. I am an employee of Santangelo Law Offices, P.C., 125 South Howes, Third Floor, Fort Collins, Colorado 80521.
2. I have this day deposited the attached Amendment and Request for Reconsideration (37 C.F.R. § 1.111) along with Appendix A, 3 sheets of replacement drawings; Appendix B, a true and correct copy of the Second Preliminary Amendment and transmittal documents all of which were forwarded to the PTO via facsimile number 703-872-9306 on October 27, 2003, and the Auto-Reply Facsimile Transmission from the PTO and Appendix C, a true and correct copy of the Supplemental Information Disclosure filed on September 23, 2003 with the United States Postal Service as "Express Mail," postage prepaid, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

Dated this 17th day of June, 2004.


Michael Blackmore



Express Mail No.: EV 419706915 US

RECEIVED

JUN 16 2004

TECH CENTER 2800

In Re the Application of: Robert M. Porter, Anatoli V. Ledenev, and Gennady G. Galka
Serial Number: 10/030,379
Filed: January 2, 2002
Title: Multiple Element Rectification Circuit
TC/A.U: 2838
Examiner: Adolf D. Berhane

Assignee: Advanced Energy Industries, Inc.
Attorney Docket: AEI VRM USNP1
Customer No. 33549

AMENDMENT AND REQUEST FOR

RECONSIDERATION UNDER 37 C.F.R. § 1.111

I. Introductory Remarks:

This amendment and request for reconsideration is in response to the office communication mailed February 6, 2004. In that office communication, the Office raised various concerns as to the specification, drawings and claims. The Assignee submits this amendment and request for reconsideration to fully address the Office's February 6, 2004 action.

Please amend the above-identified application according to attached Specification Amendments, Claim Amendments, and Appendix A (Replacement Drawings) sections and reconsider the application. The Assignee also notes that two additional appendices – Appendix B and Appendix C, which include respectively copies of each the earlier filed Second Preliminary Amendment, and the earlier filed Supplemental Information Disclosure Statement – are also enclosed herewith to show that these documents were in fact filed. The Assignee reminds the Examiner that the Examiner authorized this informal type of submission relative to previously filed documents (Appendix B and C) as to the second preliminary amendment in a telephone conference with an assistant to Assignee's undersigned representative (Legal Assistant Cheryl Swanson) on March 16, 2004. The Assignee presumes that this informal type of

submission will also be appropriate for the Supplemental Information Disclosure Statement (copies submitted as Appendix C), which was previously correctly filed on September 23, 2003.

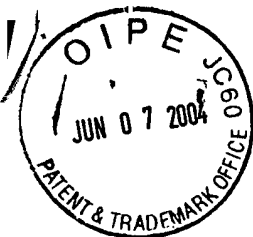
The Assignee believes all concerns have been addressed and that all claims remaining in the case are in condition for allowance.

Assignee notes that it has submitted herewith a Petition for Extension of Time in order that the Examiner may consider this reply.

Amendments to the Claims begin on page 3 of this paper.

Remarks, which includes an explanation of the changes made to drawings, begin on page 14 of this paper.

Replacement Sheets for Amended Drawings are provided in Appendix A, hereby incorporated in this reply.



66-09-04

Express Mail No.: EV 419716915 US

**IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE**

In Re the Application of: Robert M. Porter, Anatoli V. Ledenev, and Gennady G. Gurov
Serial Number: 10/030,379
Filed: January 2, 2002
Title: Multiple Element Rectification Circuit
TC/A.U: 2838
Examiner: Adolf D. Berhane

Assignee: Advanced Energy Industries, Inc.
Attorney Docket: AEI VRM USNP1
Customer No. 33549

RECEIVED

JUN 10 2004

TECH CENTER 2800

LETTER OF TRANSMITTAL

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in response to the Office Action in above captioned application mailed February 6, 2004 are the following:

Enclosed for filing in the above application please find the following:

1. Petition for Extension of Time Under 37 C.F.R. §1.136(a);
2. Amendment and Request for Reconsideration (37 C.F.R. § 1.111) along with Appendix A, 2 sheets of replacement drawings, and Appendix B, a true and correct copy of the Second Preliminary Amendment and transmittal documents, all of which were forwarded to the PTO via facsimile number 703-872-9306 on October 27, 2003, and the Auto-Reply Facsimile Transmission from the PTO; and Appendix C, a true and correct copy of the Supplemental Information Disclosure and transmittal documents filed on September 23, 2003, in addition to a copy of the stamped postcard receipt;
3. Terminal Disclaimer Under 37 C.F.R. § 1.321(c);
4. this Letter of Transmittal, which includes a deposit account authorization in the amount of \$220.00 (in duplicate);

5. Express Mail Certificates for each document and a return postcard.

Please confirm receipt of the documents by applying your date stamp and serial number on the enclosed postcard and returning it to me.

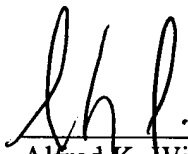
Please address all future correspondence to: Santangelo Law Offices, P.C., 125 South Howes, Third Floor, Fort Collins, CO 80521.

I have this 7th day of June, 2004, either myself personally or through my direction of staff at this office, deposited all of the items in the above letter of transmittal with the United States Postal Service as Express Mail, postage prepaid, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

Dated this 7th day of June, 2004.

Respectfully Submitted,
SANTANGELO LAW OFFICES, P.C.

By:



Alfred K. Wiedmann Jr.

Attorney for Assignee

PTO No. 48,033

125 South Howes, Third Floor

Fort Collins, CO 80521

(970) 224-3100



Express Mail No.: EV 41971691 ^{US}

RECEIVED

JUN 16 2004

TECH CENTER 2800

IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE

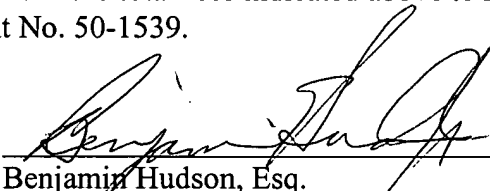
In Re the Application of: Robert M. Porter, Anatoli V. Ledenev, and Gennady G. Gurov
Serial Number: 10/030,379
Filed: January 2, 2002
Title: Multiple Element Rectification Circuit
TC/A.U.: 2838
Examiner: Adolf D. Berhane

Assignee: Advanced Energy Industries, Inc.
Attorney Docket: AEI VRM USNP1
Customer No. 33549

Deposit Account Authorization - Account No: 50-1539:

In response to the Office Action in above captioned application mailed February 6, 2004, the USPTO is hereby authorized to charge the total fees as indicated in the amount of \$220.00 (\$110.00 for a one-month extension of time fee and \$110.00 for the Statutory Disclaimer fee) to Advanced Energy Industries, Inc.'s deposit account No. 50-1539.

Additionally, the USPTO is hereby authorized to charge any deficiency or credit any overpayment in the total fees indicated above to Advanced Energy Industries, Inc.'s deposit account No. 50-1539.

By: 
Benjamin Hudson, Esq.
Advanced Energy Industries, Inc.

6-7-04
Date

IN THE UNITED STATES PATENT
AND TRADEMARK OFFICE

In Re the Application of: Robert M. Porter, Anatoli V. Ledenev, and Gennady G. Gurov
Serial Number: 10/030,379
Filed: January 2, 2002
Title: Multiple Element Rectification Circuit
TC/A.U: 2838
Examiner: Adolf D. Berhane

Assignee: Advanced Energy Industries, Inc.
Attorney Docket: AEI VRM USNP1
Customer No. 33549

CERTIFICATE OF EXPRESS MAILING

I, Michael Blackmore, hereby certify to the truth of the following items:

1. I am an employee of Santangelo Law Offices, P.C., 125 South Howes, Third Floor, Fort Collins, Colorado 80521.
2. I have this day deposited the attached Letter of Transmittal, along with a deposit account authorization in the amount of \$220.00 (in duplicate) and a return postcard with the United States Postal Service as "Express Mail," postage prepaid, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

Dated this 7th day of June, 2004.



Michael Blackmore